

EFFICIENT AND SCALABLE PARAMETRIC STEREO CODING FOR LOW BITRATE APPLICATIONS

Patent number: JP2004535145 (T)
Publication date: 2004-11-18
Inventor(s):
Applicant(s):
Classification:
- **international:** G10L19/00; G10L19/02; G10L19/14;
H04S1/00; H04S3/00; H04S5/00;
G10L19/00; H04S; H04S1/00; H04S3/00;
H04S5/00; (IPC1-7): H04S5/00
- **europen:** G10L19/00M; H04S1/00D; H04S3/00A
Application number: JP20030513284T 20020710
Priority number(s): SE20010002481 20010710;
SE20020000796 20020315;
SE20020002159 20020709;
WO2002SE01372 20020710

Also published as:

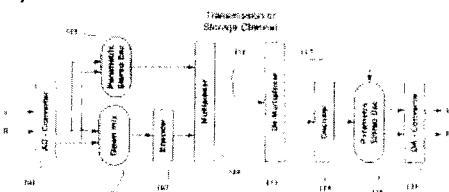
- JP4447317 (B2)
- WO03007656 (A1)
- US2005053242 (A1)
- US7382886 (B2)
- US2006023888 (A1)

[more >>](#)

Abstract not available for JP 2004535145 (T)

Abstract of correspondent: **WO 03007656 (A1)**

The present invention provides improvements to prior art audio codecs that generate a stereo-illusion through post-processing of a received mono signal. These improvements are accomplished by extraction of stereo-image describing parameters at the encoder side, which are transmitted and subsequently used for control of a stereo generator at the decoder side. Furthermore, the invention bridges the gap between simple pseudo-stereo methods, and current methods of true stereo-coding, by using a new form of parametric stereo coding. A stereo-balance parameter is introduced, which enables more advanced stereo modes, and in addition forms the basis of a new method of stereo-coding of spectral envelopes, of particular use in systems where guided HFR (High Frequency Reconstruction) is employed. As a special case, the application of this stereo-coding scheme in scalable HFR-based codecs is described.



Data supplied from the **espacenet** database — Worldwide